Determination of Rangeland Health

The Record of Decision (ROD) for the New Mexico Standards for Public Land Health and Guidelines for Livestock Grazing Management (dated January 2001) adopted three Standards for Public Land Health. These are (1) Upland Sites Standard, (2) Biotic Communities, Including Native, Threatened, Endangered, and Special Status Species Standard and (3) Riparian Sites Standard.

The ROD also established a process for the BLM Field Offices for the implementation. Through a public participation process, the Roswell Field Office developed and adopted indicators to use in conjunction with existing monitoring data to assess these Standards.

Field assessment worksheets and other available data which evaluate the local indicators, were completed for this allotment. Based on the assessments, it is my determination that the Public Lands within the Cooper Pyeatt Ranch Allotment #65019 meet the Upland Sites Standard and (2) Biotic Communities, Including Native, Threatened, Endangered, and Special Status Species Standard. There are no Public Land riparian areas on this allotment, therefore this Standard will not addressed.

/s/ T. R. KREAGER

08/28/2003

Assistant Field Manager

Date

Standards of Public Land Health Evaluation of 65019 COOPER PYEATT RANCH Allotment [04/22/2003]

The Roswell Field Office conducted rangeland health assessments at three study sites within the COOPER PYEATT RANCH allotment #65019. The assessments looked at the Soil/Site Stability, Hydrologic Function and Biotic Integrity indicators within the vicinity of each study site. Existing monitoring data was incorporated into and in support of the field assessment. The summary of each assessment is attached and shown in the following table.

Study Area		UPLAND			BIOTIC		I	RIPARIAN			
or Assessment Area	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet		
65019-BIG- D047 (*)	X	*		X	*		N/A				
65019- SOUTH-D046 (*)	X			X	*		N/A				
65019-WEST- D045 (*)	X			X			N/A				

Twenty-two (22) indicators for Rangeland Health were evaluated for the Cooper-Pyeatt Ranch allotment, #65019; 10 of these assessed soil/site stability, 11 assessed hydrologic functions and 13 assessed biotic integrity. These qualitative assessments along with quantitative information from long-term monitoring studies on three study areas on the allotment were utilized to assess the rangeland health of the public land within the allotment. These quantitative evaluations were performed by the Roswell Field office staff starting in the early 1980's. These included ground and vegetative cover and composition, production, frequency, and ecological condition as calculated from these collections which have been scheduled approximately every 5 years.

Drought has had an impact on these sites over the last few years. A total of three sites were evaluated, corresponding to the 3 trend plot locations. Big, West and South Pastures were assessed for Upland and Biotic standards. Big pasture rated 11 indicators in the Moderate category. Four of these are soil attributes, and nine for hydrological function and/or a combination of both. Rills, water flow patterns, pedestals and/or terracettes, gullies, litter movement, soil surface resistance to erosion, soil surface loss or degradation, plant community composition and distribution and litter amount all rated in the Moderate category. This suggests an influence from mesquite (Prosopis glandulosa),

which is common throughout the site. This also holds for the soil site stability attributes. See site notes for an explanation of brush encroachment. Bare ground rated in the Moderate to Extreme where the percentage exceeded the upper expected range of the Ecological Site Description (ESD). The soil association Pajarito-Bluepoint (PBB) is an eroded soil. Generally, these soils have a higher percentage of bareground as oppossed to other soils that are included in this ecological site Sandy SD-3 classification. Gulleying and hummocks are common with this soil, particularly in the Bluepoint. These soils are excessively drained and have a low water-holding capacity. This coupled with drought conditions has contributed to plant decadence, rating in the Moderate category as evidenced by the loss of many of the dropseed (Sporobolus spp.), and the appearance of more bareground. Overall, shrubs dominate the site and many are desirable for wildlife species; however mesquite seems the most dominant as indicated by a Moderate to Extreme rating in the invasive plants indicator. Wind-scoured, blowouts and/or deposition areas are most common on this ecosite, and was given a rating of Moderate to Extreme. The Structural/functional groups rated in the Moderate to Extreme category as the diversity of dominant groups has been reduced. The biotic indicator not previously mentioned, rating in the Moderate category at 50% of potential is annual production.

West pasture, a SD-3 loamy ecosite, and a Hollomex-Reeves-Milner soil phase indicated all indicators with the exception of 2, whether soil/site stability, hydrologic function or biotic integrity, rated in the None to Slight or Slight to Moderate category. The only indicators of concern are soil surface resistance to erosion rating in the Moderate category with some soil resistance reduced in at least half the canopies. The other indicator of concern is the invasive plants rating as Moderate to Extreme. This mainly due to the presence of mesquite and prickly pear (Opuntia spp.), which is common. Some light grazing has occurred on this site however.

South pasture's evaluation indicated the soil/hydrologic attributes, rating in the Moderate category. Bareground is approaching the upper end for the ESD, soil surface resistance to erosion has been reduced throughout the site, as has soil surface loss or degradation in the plant interspaces and organic matter showing a reduction. Again the presence of mesquite has altered the soil somewhat and the amount of bareground. Biotic indicators; structural/functional groups and annual production have rated in the Moderate category with one or more dominant groups such as black grama (Bouteloua eriopoda) and blue grama (Bouteloua gracilis) being replaced by threeawn (Aristida spp.) and burrograss (Scleropogon brevifolius). Annual production at present is approximately 50 to 60% of potential. Mesquite, the primary invasive plant species is common throughout the site and rated as Moderate to Extreme. Please refer to recommendations for further explanation for future management practices in reference to brush encroachment. All other indicators are presently rating in the None to Slight to Slight to Moderate category.

It is the professional opinion of the Assessment Team that this allotment meets the standards for upland and biotic. The Riparian standard does not apply to this allotment and was not addressed. Further monitoring of the pastures with brush encroachment maybe be warranted, to possibly recommend future treatments and improve the potential of these areas and of the allotment.

The (*) indicates that the assessment had one or more indicator(s) rated moderate/extreme or extreme. These indicators are:

- Bare Ground
- Wind-scoured, Blowouts, and/or Deposition Areas
- Functional/Structural Groups
- Invasive Plants

These indicators by themselves are not enough to rate the site as not meeting a standard but may warrant future monitoring.

Recommendations: For the areas where mesquite (Prosopis glandulosa) has encroached and is common throughout the site, a vegetation treatment to remove/reduce brush can be applied where a desirable plant community would be viable. Establishing a preferred mosaic of different community types could potentially enhance the environment for wildlife and livestock as well. The natural progression of mesquite has apparently made it's way to all three sites, and future more frequent monitoring is required.

RFOs	Upland	and Biotic Standa	rd As	sses	ssment Su	ımmary	Workshe	eet
		SITE 650	19-B	IG-	D047			
Legal La	and Desc	SWNW 32 0060S 02 Meridian 23	70E			Acreage	2981	
	Ecosite				Pho	to Taken	Y	
W	atershed	13060003220 FILLMORE						
C	bservers	NAVARRO/SPAIN			Observa	tion Date	04/25/2003	3
County Soi	il Survey	NM644 CHAVES NORTH			Soil V	ar/Taxad		
Soil N	Map Unit	BPB			Soil Tax	on Name	BERINO	
Textı	Texture Class NM644 SCL		S	OIL Dhagall	BERINO- BLUEPOI	NT		
Texture	Modifier	NM644 SANDY CL. LOAM,HU	AY	Y				
Observed Avg Annual Precipitation				Observed Avg Growing Season Precipitation				
NOAA Annual Precipitation		1	12.74	S	NOAA Season Pred	Growing cipitation		8.4
NOAA Avg	g Annual cipitation				OAA Avg Season Pred			10.83
		Cattle currently grazi had been bladed rece		the	pasture. Ro	oad along	the powerl	ine
Part 2. Attı	ributes a	nd Indicators						
					e from Eco ion/Ecolog	_	te ence Areas	
Attribute	Indicator	rs	Extre	eme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills					X		
Comments:								
S H	Water F	ow Patterns				X		
Comments:							L	
SH	Pedestal	s and/or Terracettes				X		
Comments:							L	
SH	Bare Gro	ound			X			

Comments:						
SH	Gullies			X		
Comments:	Some recent headcuts at the to drainages. Most bottoms and s			gullying is	limited to	natural
S	Wind-scoured, Blowouts, and/or Deposition Areas		X			
Comments:	Directed more toward the copp	oice dune	s to the no	rth of this	site	
Н	Litter Movement			X		
Comments:						
SHB	Soil Surface Resistance to Erosion			X		
Comments:						
SHB	Soil Surface Loss or Degradation			X		
Comments:						
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff			X		
Comments:						
SHB	Compaction Layer					X
Comments:						
В	Functional/Structural Groups		X			
Comments:						
В	Plant Mortality/Decadence			X		
Comments:	Lower end of moderate					
НВ	Litter Amount			X		
Comments:						
В	Annual Production			X		
Comments:						
В	Invasive Plants		X			
Comments:	Mesquite					
В	Reproductive Capability of Perennial Plants				X	
Comments:						
S	Physical/Chemical/Biological Crusts				X	

Comments:	More of a physical crust. Biole clump of decadent giant sacate		was obser	ve in the co	enter of a l	arge			
В	Wildlife Habitat				X				
Comments:	Diverse wildlife habitat due to escarpment and Pecos Valley. pasture, several other minor di habitat. Much of the landscape along escarpment. Oil and gas	Bosque I rainages. e invaded	Oraw is the Mixture of by mesqui	major dra grassland te. Much b	inage in th and shrubl	e and			
В	Wildlife Populations				X				
Comments:	No specific wildlife information upland game birds, and a wide	-				,			
В	Special Status Species Habitat					X			
Comments:	None know to occur.								
В	Special Status Species Populations					X			
Comments:	None know to occur.								
Part 3. Sun	nmary								
attributes be	Summary - Each of the indicate elow. An indicator is placed in Standard Attributes.								
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight			
S	Soil	0	2	6	1	1			
Н	Hydrologic	0	1	9	0	1			
В	Biotic	0	2	5	3	3			
B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i> , and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.									
Attribute	Rationale			Does Not	Mav	Meets			

		Meet	Need More Info	
Soil	Meets but in the lower range of the standard. Six soil indicators rated in the Moderate category, which may need to be looked at further.	2	6	2
Hydrologic	Meets but in the lower range of the standard. Nine hydrological indicators rated in the Moderate cateory.	1	9	1
Biotic		2	5	6

Site Notes: Bareground, Functional/Structural groups, Invasive Plants and Wind-scoured blowouts all rated at the Moderate to Extreme category. There appears to be a steady encroachment of mesquite (Prosopis glandulosa) on the site. The SD-3 Sandy ecosite with a Berino-Bluepoint soil phase lends itself to brush encroachment. The coppice dune formation is a symptom of mesquite invasion. This coupled with drought conditions has augmented the situation in the pasture.

		SITE 65019)-S(OUT	H-D046				
Legal La	nd Desc	SENW 31 0060S 0270 Meridian 23				reage	590		
	Ecosite				Photo	Гакеп	Y		
Wa	atershed	13060003220 FILLMORE							
Ol	bservers	NAVARRO/SPAIN		C	bservation	Date	04/2	25/2003	
Cou	2	NM644 CHAVES NORTH			Soil Var/	Гахаd			
Soil M	lap Unit	HMA		S	oil Taxon	Name	НО	LLOMEX	
Textu	re Class	NM644 L			Soil	Phase		LLOMEX- EVES-MII	
Texture N	Modifier	NM644 LOAM,DRY							
	ved Avg Annual ipitation			Observed Avg Growing Season Precipitation		eason			
NOAA Annual Precipitation		.74	I	NOAA Gro son Precipi	_			8.4	
	AA Avg Annual ipitation	13	.16		A Avg Growing son Precipitation				10.83
	nal Use:	and Indicators				,			
1 art 2. Att	Tibutes a	and indicators		-	e from Eco on/Ecolog	_			
Attribute	Indicate	ors	Ext	treme	Moderate to Extreme	Mode	rate	Slight to Moderate	None to Sligh
SH	Rills								X
Comments:									
SH	Water I	Flow Patterns						X	
Comments:									
SH	Pedesta	als and/or Terracettes						X	

SH	Bare Ground		X		
Comments:					
SH	Gullies				X
Comments:					
S	Wind-scoured, Blowouts, and/or Deposition Areas				X
Comments:					
Н	Litter Movement			X	
Comments:					
SHB	Soil Surface Resistance to Erosion		X		
Comments:					
SHB	Soil Surface Loss or Degradation		X		
Comments:					
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff			X	
Comments:					
SHB	Compaction Layer				X
Comments:					
В	Functional/Structural Groups		X		
Comments:	Toward slight-moderate				
В	Plant Mortality/Decadence				X
Comments:					
НВ	Litter Amount			X	
Comments:	Toward moderate				
В	Annual Production		X		
Comments:					
В	Invasive Plants	X			
Comments:	Mesquite	 			
В	Reproductive Capability of Perennial Plants				X
Comments:					
S	Physical/Chemical/Biological Crusts			X	

	Vildlife Habitat					
Comments: A					X	
	grassland habitat invaded by	mesquite	e.			
B	Vildlife Populations				X	
	lo specific wildlife information pland game birds and a variet					eer,
	pecial Status Species labitat					X
Comments: N	one know to occur.					
	pecial Status Species opulations					X
Comments: N	Ione know to occur.					
Part 3. Summ	nary					
attributes belo	nummary - Each of the indicat low. An indicator is placed in a andard Attributes.					
Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	oil	0	0	3	3	4
H	lydrologic	0	0	3	5	3
В	Piotic	0	1	4	3	5
table above are More Info, and Values from the determination. ID team conflicted to the determination agreed upon determination.	ummary. In this table, the Extremerged for the <i>Does not Med</i> Slight to Moderate and Nonhe table are summarized below. This space should most certaicts with the summarized valuer mination. X out the appropriate termination by the ID team.	eet columne to Sligh w. Space ainly be sues. Provinte box	in, Modera nt merge to is provide sued when ide the sou for each at	te becomes form the had for ration the determanders of info	s May Need Meets colunale of the ination by formation the	dumns. the
					Info	

Hydrologic	0	3	8
Biotic	1	4	8
Site Notes:			

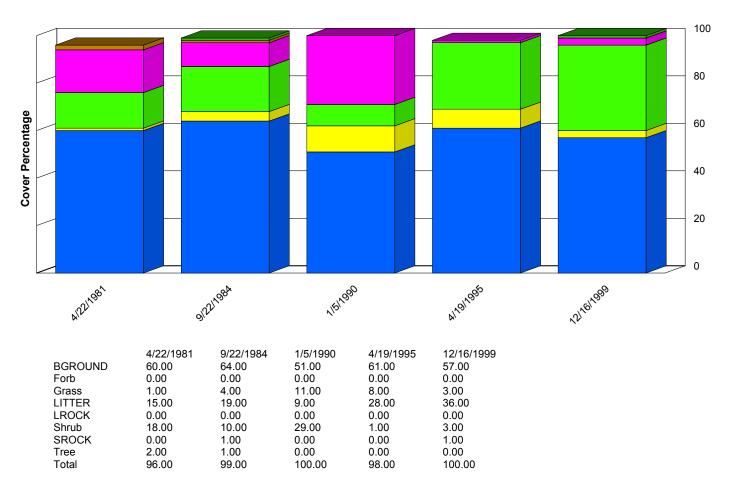
RFOs I	U pland	and Biotic Standa	rd A	Asses	sment Su	ımma	ary `	Workshe	et
		SITE 6501	9-W	VEST	Γ- D 045				
Legal Lar	nd Desc	NESE 36 0060S 0260 Meridian 23	Е		Ac	reage	93		
	Ecosite				Photo 7	Гaken	Y		
Wa	tershed	13060003220 FILLMORE							
Ob	servers	NAVARRO/SPAIN		Observation Date			04/2	25/2003	
		NM644 CHAVES NORTH			Soil Var/	Гахаd			
Soil M	ap Unit	HMA		S	oil Taxon	Name	HO	LLOMEX	
Texture Class		NM644 L			Soil	Phase	1	LLOMEX. EVES-MIL	
Texture N	Iodifier	NM644 LOAM,DRY							
	ed Avg Annual pitation			Observed Avg Growing Season Precipitation					
	NOAA Annual Precipitation		.74		NOAA Gro son Precipi	_			8.4
	AA Avg Annual pitation	13.16			A Avg Gro son Precipi				10.83
Disturban Anim	ces and nal Use:								
Part 2. Attr	ibutes a	and Indicators							
					e from Eco on/Ecolog	_			
Attribute	Indicato	ors	Ext	reme	Moderate to Extreme	Mode	rate	Slight to Moderate	None to Slight
SH	Rills								X
Comments:	A grass	land habitat invaded by	y me	esquit	e.				
SH	Water F	Flow Patterns						X	
Comments:									
SH	Pedesta	ls and/or Terracettes						X	
Comments:									

SH	Bare Ground			X	
Comments:					
SH	Gullies				X
Comments:					
S	Wind-scoured, Blowouts, and/or Deposition Areas				X
Comments:					
Н	Litter Movement			X	
Comments:					
SHB	Soil Surface Resistance to Erosion		X		
Comments:					
SHB	Soil Surface Loss or Degradation			X	
Comments:					
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff			X	
Comments:					
SHB	Compaction Layer				X
Comments:					
В	Functional/Structural Groups			X	
Comments:					
В	Plant Mortality/Decadence				X
Comments:					
НВ	Litter Amount			X	
Comments:					
В	Annual Production			X	
Comments:					
В	Invasive Plants	X			
Comments:	Mesquite and prickly pear				
В	Reproductive Capability of Perennial Plants				X
Comments:					
S	Physical/Chemical/Biological Crusts				X

Standard Attribute Extreme to Extreme to Extreme to Slight to Slight S	Comments:						
B Wildlife Populations	В	Wildlife Habitat				X	
Comments: No specific wildlife information. Primary species of concern are mule deer, upland game birds and a variety on terrestrial nongame wildlife species. B Special Status Species Habitat Comments: None know to occur. B Special Status Species Populations None know to occur. Part 3. Summary A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attribute Standard Attribute Extreme Moderate to Extreme Extreme Moderate Slight to Moderate Slight to Moderate Slight Sligh	Comments:						
B Special Status Species Habitat Comments: None know to occur. B Special Status Species Populations Comments: None know to occur. Part 3. Summary A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attributes Standard Attribute Social Dolling Dolling Dolling Dolling Dolling None Row are merged for the Does not Meet column, Moderate becomes May Need More Info, and Slight to Moderate and None to Slight merge to form the Meets columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination by the ID team. Attribute Rationale Rationale Attribute Rationale Rationale Sight to Moderate columns in the determination by the ID team. Does Not May Need More Info More Info Moderate Rationale May Need More Info Moderate Rationale Does Not Meet More Info Moderate Rationale May Need More Info Moderate Rationale Rationale Does Not Meet More Info	В	Wildlife Populations				X	
Habitat Special Status Species Populations None know to occur.	Comments:						
B Special Status Species Populations None know to occur. Part 3. Summary	В	·					X
Part 3. Summary A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attribute Socil	Comments:	None know to occur.					
Part 3. Summary A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attribute Standard Attribute Extreme	В	·					X
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attribute	Comments:	None know to occur.					
A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attribute							
attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes. Standard Attribute Standard Attribute Extreme Standard Attribute Extreme Moderate to Extreme to Moderate Slight to Moderate Slight Hydrologic 0 0 1 7 3 B Biotic 0 1 1 6 5 B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the Does not Meet column, Moderate becomes May Need More Info, and Slight to Moderate and None to Slight merge to form the Meets columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team. Attribute Rationale Rationale Moderate Slight to Moderate Slight to Moderate Pool of the Moderate Columns of the Slight merge to form the Meets columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team. May Need More Info	Part 3. Sun	nmary					
Standard Attribute Extreme to Extreme to Extreme Moderate Slight to Moderate Slight Sli	attributes be	elow. An indicator is placed in					
Standard Attribute Extreme to Extreme to Extreme Moderate Slight to Moderate Slight Sli							
H Hydrologic 0 0 1 7 3 B Biotic 0 1 1 6 5 B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i> , and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team. Attribute Rationale Does Not Meet More Info			Extreme	to	Moderate		None to Slight
B Biotic 0 1 1 6 5 B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i> , and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team. Attribute Rationale Does Not May Need More Info	S	Soil	0	0	1	4	5
B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i> , and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team. Attribute Rationale Does Not May Need More Info	Н	Hydrologic	0	0	1	7	3
table above are merged for the <i>Does not Meet</i> column, Moderate becomes <i>May Need More Info</i> , and Slight to Moderate and None to Slight merge to form the <i>Meets</i> columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be sued when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team. Attribute Rationale Rationale Does Not May Need More Info	В	Biotic	0	1	1	6	5
Attribute Rationale Does Not Meet More Info	table above More Info, a Values from determination ID team con lead to the control of the contro	are merged for the <i>Does not M</i> and Slight to Moderate and Non the table are summarized below. This space should most certaflicts with the summarized val determination. X out the appropriate the summarized of the summarized of the summarized value of the summarized valu	ne to Slightow. Space tainly be sues. Provertiate box	nn, Modera ht merge to is provide sued when ide the sou	te become form the d d for ration the determances of info	s May Nee Meets colunale of the ination by ormation the	d imns. the
	Attribute	Rationale				Need More	Meets

Hydrologic	0	1	10
Biotic	1	1	11
Site Notes:			

Ground Cover Trends



SROCK

Tree
Shrub
LROCK
LITTER

Grass
Forb
BGROUND

Report Parameters

SITE NAME LIKE 65019-BIG-D047 ON/AFTER 10/01/1979 ON/BEFORE 09/30/2000

Functional / Structural Groups

Report Parameters

 SITE NAME LIKE
 65019-BIG-D047

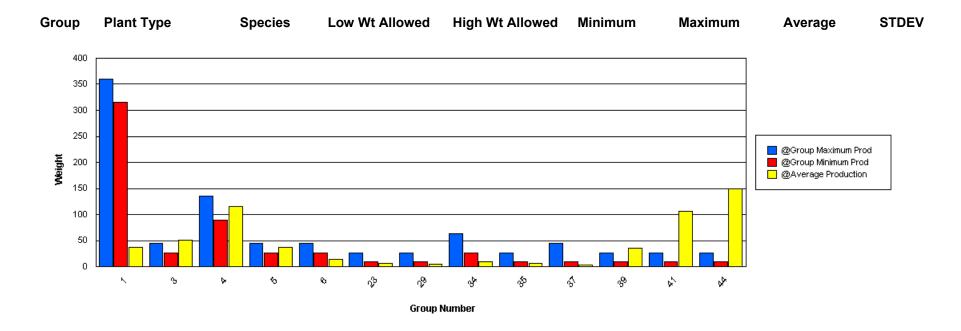
 ON/AFTER
 10/01/1979

 ON/BEFORE
 09/30/2000

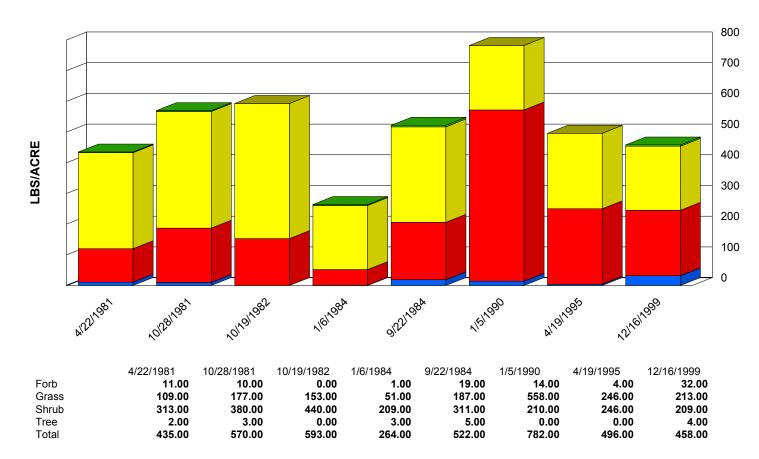
MIN LBS TO GRAPH 3

SELECTED ECOSITE 042CY004NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	BOER4	315	360	2.00	143.00	37.00	49.82
3	Grass	MUPO2	27	45	17.00	96.00	51.38	28.03
4	Grass	SPCO4	90	135	0.00	16.00	8.00	8.00
4	Grass	SPCR	90	135	5.00	280.00	84.57	89.78
4	Grass	SPFL2	90	135	0.00	44.00	23.60	17.82
5	Grass	ARIST	27	45	1.00	82.00	37.83	24.87
6	Grass	SEMA5	27	45	2.00	32.00	13.60	11.13
9	Grass	PAOB	9	27	0.00	4.00	1.33	1.89
15	Grass	BOBA2	9	45	0.00	1.00	0.50	0.50
23	Grass	MUAR2	9	27	6.00	7.00	6.50	0.50
29	Grass	ERPU8	9	27	2.00	7.00	4.25	1.92
30	Forb	CROTO	27	63	0.00	2.00	1.00	0.82
34	Forb	AAFF	27	63	2.00	25.00	10.33	8.34
35	Forb	DYPE2	9	27	4.00	6.00	5.00	1.00
35	Forb	SOEL	9	27	0.00	8.00	2.20	2.93
37	Tree	YUEL	9	45	2.00	5.00	3.40	1.02
39	Shrub	ATCA2	9	27	2.00	74.00	35.14	25.40
41	Shrub	GUSA2	9	27	41.00	173.00	106.25	47.82
44	Shrub	PRGL2	9	27	36.00	270.00	149.13	86.96



Production Lbs/Acre Trends



Tree

Shrub
Grass
Forb

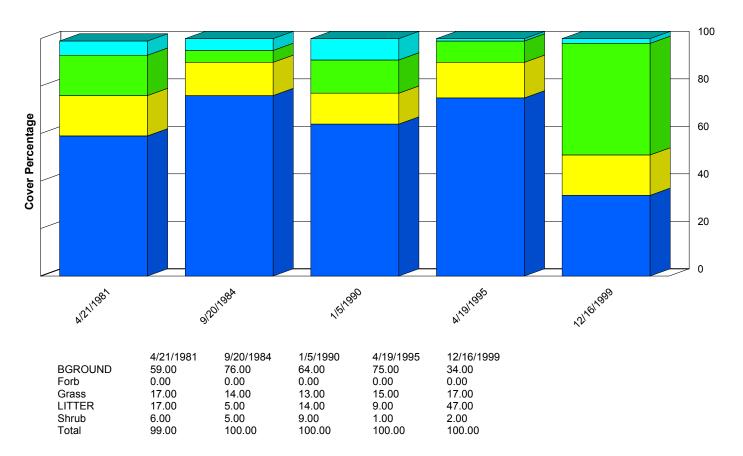
Report Parameters

 SITE NAME LIKE
 65019-BIG-D047

 ON/AFTER
 10/01/1979

 ON/BEFORE
 09/30/2000

Ground Cover Trends



Shrub
LITTER
Grass
Forb

BGROUND

Report Parameters

SITE NAME LIKE 65019-SOUTH-D046 ON/AFTER 10/01/1979

ON/BEFORE 09/30/2000

Functional / Structural Groups

Report Parameters

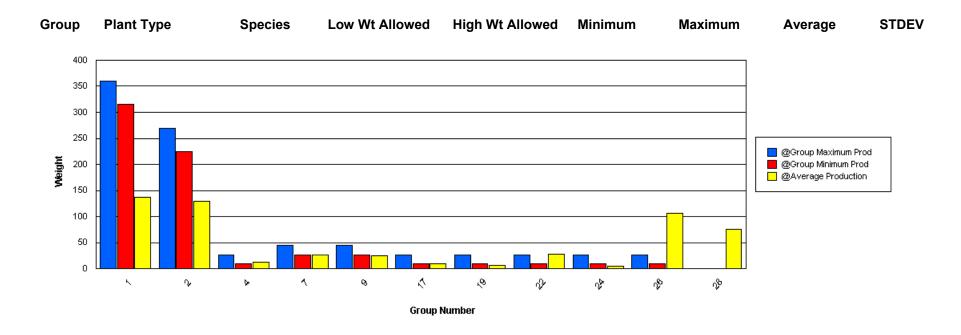
SITE NAME LIKE 65019-SOUTH-D046

ON/AFTER 10/01/1979 ON/BEFORE 09/30/2000

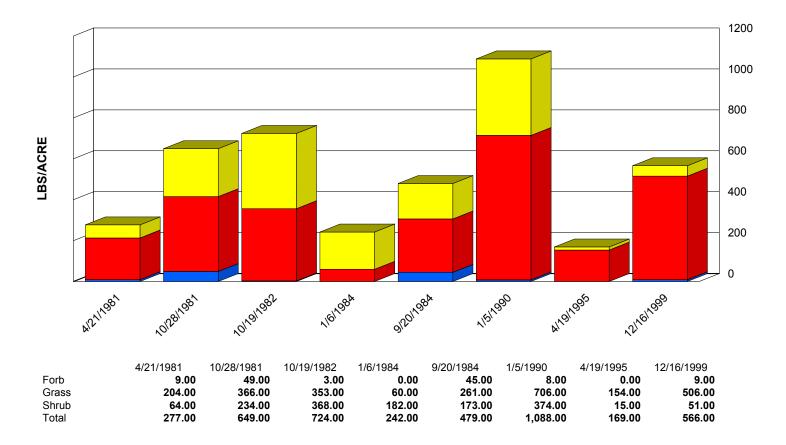
MIN LBS TO GRAPH 3

SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	27.00	206.00	100.50	55.90
1	Grass	SCBR2	315	360	3.00	77.00	37.13	30.41
2	Grass	BOER4	225	270	17.00	343.00	113.88	104.62
2	Grass	BOGR2	225	270	5.00	27.00	15.67	7.74
4	Grass	MUPO2	9	27	8.00	22.00	13.00	5.74
7	Grass	ARIST	27	45	0.00	1.00	0.50	0.50
7	Grass	SPCR	27	45	1.00	137.00	25.25	43.23
9	Grass	MUAR	27	45	1.00	3.00	2.00	1.00
9	Grass	MUAR2	27	45	2.00	58.00	22.86	16.87
17	Grass	ERPU8	9	27	2.00	25.00	9.00	8.17
19	Forb	CROTO	9	27	0.00	1.00	0.50	0.50
19	Forb	LESQU	9	27	1.00	14.00	6.00	5.72
22	Forb	AAFF	9	27	2.00	21.00	8.00	6.40
22	Forb	XADR	9	27	0.00	39.00	19.50	19.50
24	Forb	LEER	9	27	0.00	12.00	4.67	5.25
24	Forb	MELE2	9	27	0.00	2.00	0.67	0.94
26	Shrub	GUSA2	9	27	1.00	274.00	106.75	94.80
28	Shrub	PRGL2	0	0	13.00	260.00	75.75	77.92



Production Lbs/Acre Trends



Shrub

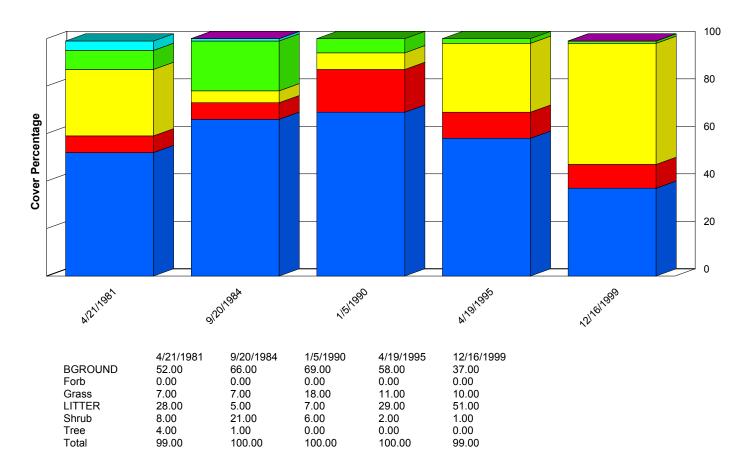
Grass
Forb

Report Parameters

SITE NAME LIKE 65019-SOUTH-D046

ON/AFTER 10/01/1979 ON/BEFORE 09/30/2000

Ground Cover Trends



Forb

Tree Shrub

Grass
BGROUND

Report Parameters

SITE NAME LIKE 65019-WEST-D045 ON/AFTER 10/01/1979 ON/BEFORE 09/30/2000

Functional / Structural Groups

Report Parameters

SITE NAME LIKE 65019-WEST-D045

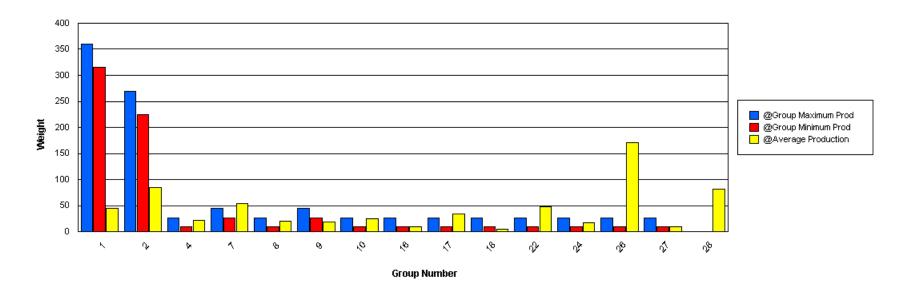
ON/AFTER 10/01/1979 ON/BEFORE 09/30/2000

MIN LBS TO GRAPH 3

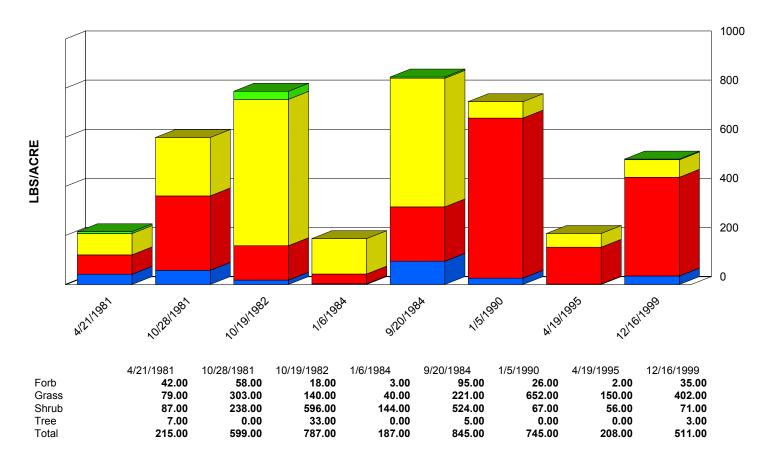
SELECTED ECOSITE 042CY007NM

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
1	Grass	HIMU2	315	360	4.00	107.00	31.29	34.22
1	Grass	SCBR2	315	360	2.00	49.00	13.67	16.54
2	Grass	BOER4	225	270	14.00	174.00	72.75	60.67
2	Grass	BOGR2	225	270	2.00	30.00	11.71	10.35
4	Grass	MUPO2	9	27	3.00	46.00	22.14	15.83
7	Grass	ARIST	27	45	0.00	25.00	7.50	10.21
7	Grass	SPCR	27	45	3.00	177.00	46.38	52.02
8	Grass	PAOB	9	27	2.00	44.00	19.83	18.00
9	Grass	MUAR	27	45	2.00	15.00	7.00	4.80
9	Grass	MUAR2	27	45	2.00	26.00	11.40	10.76
10	Grass	BOBR	9	27	18.00	36.00	25.33	7.72
11	Grass	ENDE	9	27	2.00	3.00	2.50	0.50
15	Grass	TRPI2	0	9	0.00	3.00	1.67	1.25
16	Grass	AAGG	9	27	1.00	27.00	10.33	11.81
17	Grass	ERPU8	9	27	1.00	52.00	19.50	19.88
17	Grass	SPFL2	9	27	0.00	6.00	3.33	2.49
17	Grass	SPNE	9	27	8.00	15.00	11.50	3.50
18	Forb	THME	9	27	0.00	9.00	4.50	4.50
19	Forb	CROTO	9	27	0.00	3.00	1.50	1.50
22	Forb	AAFF	9	27	1.00	32.00	14.25	11.24
22	Forb	CALYL	9	27	0.00	11.00	5.50	5.50
22	Forb	GAURA	9	27	0.00	7.00	3.50	3.50
22	Forb	MENTZ	9	27	0.00	15.00	7.50	7.50
22	Forb	PEPA2	9	27	0.00	33.00	16.50	16.50
24	Forb	EUPHO	9	27	0.00	0.00	0.00	0.00
24	Forb	NELI	9	27	0.00	14.00	7.00	7.00

Group	Plant Type	Species	Low Wt Allowed	High Wt Allowed	Minimum	Maximum	Average	STDEV
24	Forb	PPFF	9	27	2.00	16.00	9.00	7.00
24	Forb	SOEL	9	27	1.00	2.00	1.67	0.47
26	Shrub	GUSA2	9	27	3.00	435.00	157.00	166.60
26	Shrub	OPUNT	9	27	0.00	3.00	1.33	1.25
26	Tree	YUEL	9	27	3.00	33.00	12.00	12.21
27	Shrub	COHI3	9	27	0.00	18.00	9.00	9.00
28	Shrub	PRGL2	0	0	29.00	218.00	82.25	53.72



Production Lbs/Acre Trends



Tree

Shrub Grass

Forb

Report Parameters

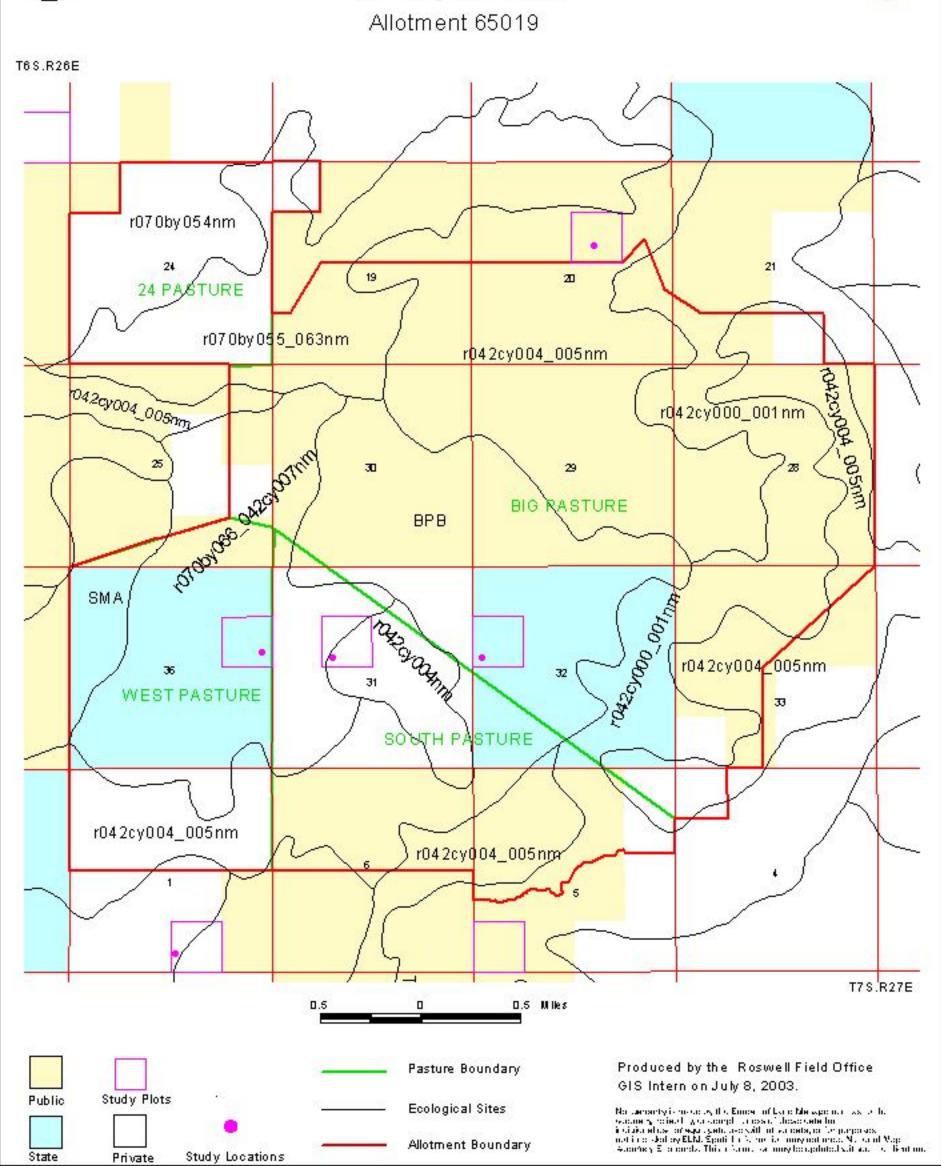
SITE NAME LIKE 65019-WEST-D045 ON/AFTER 10/01/1979

ON/AFTER 10/01/19/9 ON/BEFORE 09/30/2000



Rangeland Health Assessment Ecological Sites







Rangeland Health Assessment Soil Mapping Units



